Coupling or Transition Fitting for the Connection of Metal or Plastic Pipes

ABSTRACT

A pipe coupling having a radially deformable housing, wherein a pipe is freely insertable into the housing bore and a nut causes engagement of the grip ring with the pipe. The housing bore including a plurality of outwardly extending projections. The grip ring including a plurality of apertures adapted to receive the housing projections and a plurality of inwardly extending burst hole projections. Tightening of the nut causes the grip ring to be forced both radially and longitudinally, whereby the gripping member substantially restricts longitudinal and rotational movement of the pipe.